West Virginia Purchasing Division

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The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

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Welcome, Lu Anne Cottrill | Procurement | Budgeting | Accounts Receivable | Accounts Payable

Solicitation Response(SR) | **Dept:** 0211 | **ID:** ESR04011900000004505 | **Ver.:** 1 | **Function:** New | **Phase:** Final | ▼ | **Modified by** batch , 04/04/2019

Header 📎 4

| General Information | Contact | Default Values | Discount | Document Information |

Procurement Folder: 558157	**SO Doc Code:** CRFQ
Procurement Type: Central Purchase Order	**SO Dept:** 0211
Vendor ID: VC0000066426 ⬆	**SO Doc ID:** GSD1900000019
Legal Name: ENERGY EFFICIENT WEST VIRGINIA	**Published Date:** 3/29/19
Alias/DBA:	**Close Date:** 4/4/19
Total Bid: $47,084.11	**Close Time:** 13:30
Response Date: 04/01/2019 📅	**Status:** Closed
Response Time: 13:00	**Solicitation Description:** Addendum 1 - Energy Savings - Lights Project

Apply Default Values to Commodity Lines | View Procurement Folder

Proc Folder : 558157

Solicitation Description : Addendum 1 - Energy Savings - Lights Project

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2019-04-04 13:30:00	SR 0211 ESR04011900000004505	1

VENDOR
VC0000066426
ENERGY EFFICIENT WEST VIRGINIA

Solicitation Number: CRFQ   0211   GSD1900000019

Total Bid : $47,084.11   **Response Date:**   2019-04-01   **Response Time:**   13:00:56

Comments: Thank you for the opportunity to bid on this project, Please note: all fixtures quoted can be compatibly matched at same price quoted if does not meet your liking.
Choice of Kelvin color is available at no additional charge, (4k-5k)
All spec sheets submitted meet or exceeds speculated product.
Also Note: Best Lighting is the DLC Listed Manufacture, also DBA CLL

FOR INFORMATION CONTACT THE BUYER

Linda B Harper

(304) 558-0468
linda.b.harper@wv.gov

Signature on File   **FEIN #**   **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Light emitting diode LED fixture	37.00000	EA	$115.990000	$4,291.63

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : 3.1.1 Barron Lighting Group, Trace Lite RCL Series, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Light emitting diode LED fixture	41.00000	EA	$119.700000	$4,907.70

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : 3.1.2 Metalux Cruz Series, AMSEM 24CZ-LD5-40SE-S-UNV-EL7W-L835-CD1-SVPD1-RV-U, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Light emitting diode LED fixture	30.00000	EA	$119.700000	$3,591.00

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : 3.1.3 Metalux Cruz Series AMSGEN 24CZ-LD5-40SE-S-UNV-ETRD-L835-CD1-SVPD1-DV-U, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Interior lighting fixtures and accessories	8.00000	EA	$111.660000	$893.28

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description : 3.1.4 Greengate OXC-P extreme temperature sensors, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	Light emitting diode LED fixture	155.00000	EA	$119.700000	$18,553.50

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : 3.1.5 Metalux Cruz series Type AMS 24CZ-LD5-40SE-S-UNV-L835-CDI-SVPD1-DV-U, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	Light emitting diode LED fixture	45.00000	EA	$117.000000	$5,265.00

Comm Code	Manufacturer	Specification	Model #
39111544			

Extended Description : 3.1.6 Metalux Cruz Series 22CZ-LD5-39E-S_UNV-L835-CD1-U, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	Interior lighting fixtures and accessories	100.00000	EA	$55.900000	$5,590.00

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description : 3.1.7 COOPER/EATON controller OSW-P-010, or equal.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	Interior lighting fixtures and accessories	200.00000	EA	$0.000000	$0.00

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description : 3.1.8 Seismic Lighting Fixture Clamp, COOPER EATON EQ-CLIP-U, or equal.

Comments: INCLUDED IN WITH FIXTURE

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Interior lighting fixtures and accessories	40.00000	EA	$99.800000	$3,992.00

Comm Code	Manufacturer	Specification	Model #
39111500			

Extended Description :	3.1.9 Hubbell ATP 1500C motion detector w/Acuity Sensor switch Low 35 Power relay included, or equal.

COST LESS LIGHTING

360° Passive Infrared
Line Voltage Occupancy Sensor

Model #: 13-MPC-52V

APPLICATIONS

The 360° passive infrared (PIR) occupancy sensors turn lighting systems on and off based on occupancy and ambient light levels. The light level feature keeps lights from turning on if the ambient light level is sufficient. The sensors can be configured to turn lighting on, and hold it on as long as the sensor detects occupancy. After no movement is detected for a specified time the lights are switched off.

FEATURES

• 360° field of view, 800 sq ft.

• Passive Infrared Technology (PIR)

• Time Delay is adjustable from 15 seconds (test mode) to 30 minutes

• Simple, fast installation

• Adjustable sensitivity settings

• Light level is adjustable.

Testing and Code Compliance:
• UL Pending

Specifications

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Incandescent..................................................................800W-120VAC, 60HZ
Fluorescent ....................................800VA-120VAC / 1200VA-277VAC, 60HZ
Motor..........................................................................1/4 HP ,120VAC, 60HZ
Operating Temperature ................................................32°to 131°F (0°to 55°C)
Adjustable Light Level  ...........................................................10FC—150FC
Adjustable Time Delay  ............................................................15 sec.-30min.
Sensitivity Adjustment......................................50% or 100%  (DIP switch 1)
Coverage……….....…….………….…...............…….…………………….Up to 800 ft
Lead Power Cable………....……….…...........…....……….……………….....4 feet
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Installation & Wiring

Refer to the wire diagram of the sensor (see figure 1), and connect the wires of ceiling sensores as followed by using the wire nuts provided.

1. Connect the Hot wire to the Black wire from the senso
2. Connect the Load wire to the Red wire from the senso
3. Connect the Neutral wire to the White wire from the senso

This sensor can install together with a snap switch in series, in this case, connect the sensor hot (black) wire to the load wire of the snap switch, it can be a single pole switch, 3-way switches or 4-way switches.

Coverage area

The 13-MPC-52V provides 360° coverage pattern, up to 800 square feet. Figure 2) For building spaces with lower levels of activity or with obstacles and barriers, coverage size may decrease.

Figure 1

Figure 2

COST LESS LIGHTING
LED'S GET LIT

06-CPLED-TH
45W & 80W LED Canopy Luminaires
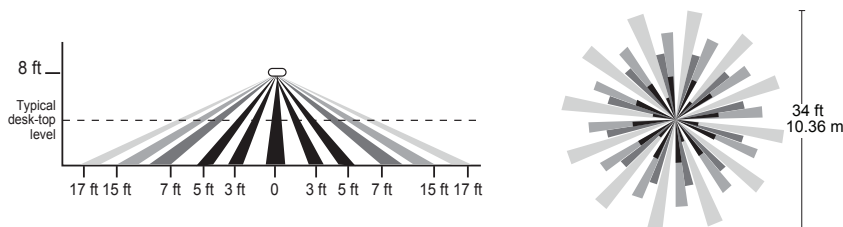
APPLICATIONS

The 06-CPLED LED canopy light is an ideal solution for illuminating parking garages, storage areas, stairwells, and other applications requiring low-profile luminaire that can be surface- or pendant-mounted. With a die cast aluminum housing and a polycarbonate lens, the 06-CPLED will stand up to many years of punishing environmental conditions. High-efficacy, long-life LEDs provide both energy and maintenance cost savings compared to traditional canopy lights with HID, fluorescent or incandescent lamps.

FEATURES

- Available in 5000k (cool white) color temperatures.*
- Long-life LEDs provide 60,000 hours of operation with at least 70% of initial lumens output (L_{70}).**
- 06-CPLED-TH-45W delivers 4,948 lumens and 112 lumens per watt (LPW), and CPLED-TH-80W delivers 9,548 lumens and 120 LPW.*
- Universal 120-277 AC voltage (50-60Hz) is standard.
- 0-10vdc dimming capability is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%
- Color rendering index ≥ 80.
- 10kV surge protector is standard.
- Die cast aluminum housing with durable, dark bronze, powder coat paint.
- Polycarbonate lens.
- Removable, threaded plugs for side attachment of ½" rigid electrical conduit.
- Optional PIR (passive infrared) occupancy sensors are available (contact factory for details).
- Easy installation in new construction or retrofit.

* Contact factory for other color temperatures and lumen packages.
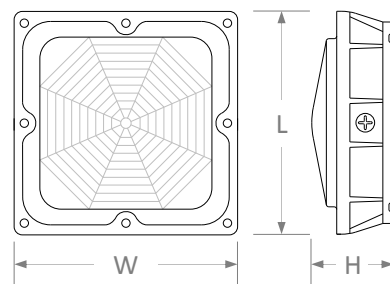***L_{70} hours are IES TM-21-11 calculated hours.*

(Available in White)
06-CPLED-40W-5K-MV-WHT-TH

DIMENSIONS

	Length (L)	Width (W)	Height (H)	Weight
06-CPLED-45W	10"	10"	3 ⅝"	5.6 lbs.
06-CPLED-80W	14"	14"	4"	10.0 lbs.

WARRANTY & LISTINGS

- cULus listed for wet locations (-40°C to 40°C (-40°F to 104°F).
- IP65 rated.
- DLC approved.
- Complies with FCC Part 15, Class B.
- 5-Year Warranty of all electronics and housing.

MOUNTING

- Junction box mounting plate is standard.
- Luminaire can also be directly surface-mounted to canopies by removing the lens, drilling holes in the cast housing, and screwing the luminaire to the canopy.
- Threaded hole on back of luminaire for ¾" rigid electrical conduit also provides for pendant-mounting.

PRODUCT PARAMETER

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATTS	COLOR TEMPERATURE
06-CPLED-45W-5K-MV-TH	44	4,948	112	5K = 5000k
06-CPLED-80W-5K-MV-TH	80	9,548	120	5K = 5000k
06-CPLED-40W-5K-MV-WHT-TH	44	4,948	112	5K = 5000k
06-CPLED-80W-5K-MV-WHT-TH	80	9,548	120	5K = 5000k

COST LESS LIGHTING

06-CPLED-TH
45W & 80W LED Canopy Luminaires

ELECTRICAL

MODEL	COLOR TEMPERATURE	CRI[1]	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS PER WATT	INPUT VOLTAGE[2]	INPUT CURRENT (A)			POWER FACTOR	THD[3]	L70 HOURS[4]
							120V	240V	277V			
06-CPLED-45W-5K-MV	5000k	>80	4,948	44	112	120-277	0.37	0.18	0.16	>90%	<20%	62,000
06-CPLED-80W-5K-MV	5000k	>80	9,548	80	120	120-277	0.67	0.33	0.29	>90%	<20%	60,000

[1] Color rendering index.
[2] All 50-60Hz.
[3] Total harmonic distortion.
[4] L70 refers to the number of hours at which lumen output declines to 70% of the initial level. L70 hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA

CPLED-45W-5K-MV-TH (4,948 Lumens)

Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1
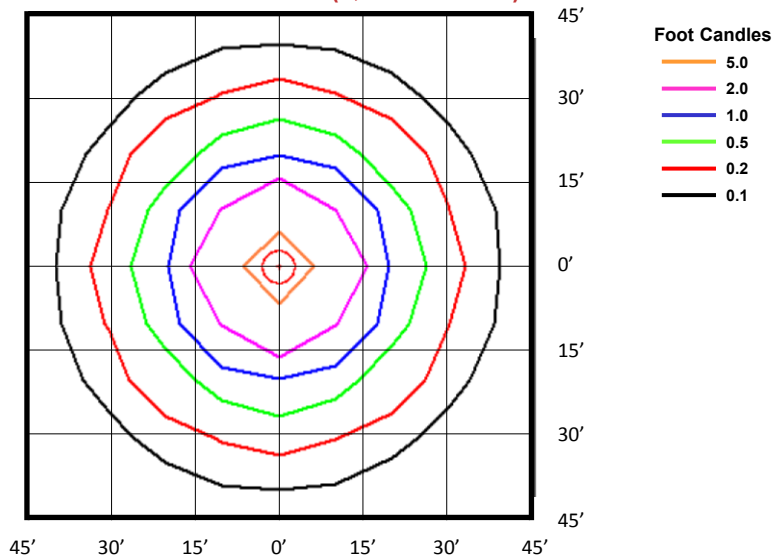
BUG RATING: B2-U2-G1

Zone		Lumens	%
FL	- Front - Low (0-30)	673	14%
FM	- Front - Medium (30-60)	1,252	25%
FH	- Front - High (60-80)	454	9%
FVH	- Front - Very High (80-90)	80	2%
Total Forward Light		**2,458**	**50%**
BL	- Back - Low (0-30)	672	14%
BM	- Back - Medium (30-60)	1,259	25%
BH	- Back - High (60-80)	462	9%
BVH	- Back - Very High (80-90)	79	2%
Total Back Light		**2,472**	**50%**
UL	- Up Light - Low (90-100)	8	0%
UH	- Up Light - High (100-180)	10	0%
Total Up Light		**18**	**0%**
Total Lumens		**4,948**	**100%**

CPLED-80W-5K-MV-TH (9,548 Lumens)

Foot Candles
- 5.0
- 2.0
- 1.0
- 0.5
- 0.2
- 0.1
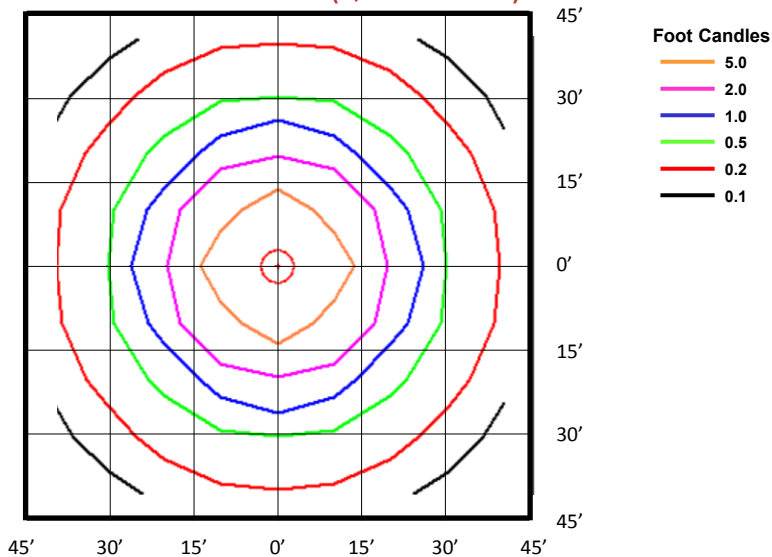
BUG RATING: B3-U2-G2

Zone		Lumens	%
FL	- Front - Low (0-30)	1,290	14%
FM	- Front - Medium (30-60)	2,396	25%
FH	- Front - High (60-80)	918	10%
FVH	- Front - Very High (80-90)	152	2%
Total Forward Light		**4,757**	**50%**
BL	- Back - Low (0-30)	1,296	14%
BM	- Back - Medium (30-60)	2,407	25%
BH	- Back - High (60-80)	909	10%
BVH	- Back - Very High (80-90)	145	2%
Total Back Light		**4,757**	**50%**
UL	- Up Light - Low (90-100)	17	0%
UH	- Up Light - High (100-180)	18	0%
Total Up Light		**35**	**0%**
Total Lumens		**9,548**	**100%**

NOTES: *(1) Isofootcandle plots depict initial footcandles at grade. (2) Gridlines represent units of mounting height of 15 feet.*

COST LESS LIGHTING
LED'S GET LIT

05-BCBLED22-32W-PRM-CP
2'X2' PREMIUM CENTER BASKET

APPLICATIONS

The premium-performance 05-BCBLED22-32W-PRM-CP is a low-profile 2' x 2' LED center basket luminaire, which offers industry-leading lumens per watt (LPW). The 05-BCBLED22-32W-PRM-CP is designed as a direct replacement for 2' x 2' fluorescent luminaires installed in grid or plaster ceilings. It is also designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10vdc dimming capability.

FEATURES

- *Available in 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) & 5000k (cool white) color temperatures.**
- *Long-life LEDs provide 199,000 hours of operation with at least 70% of initial lumen output (L_{70}).***
- *Provides 4,195 luminaire lumens (131 lumens per watt, LPW) at 3000k; 4,293 luminaire lumens (134 LPW) at 3500k; 4,371 luminaire lumens (137 LPW) at 4000k; and 4,527 luminaire lumens (141 LPW) at 5000k.**
- *Uniform illumination with no visible LED pixelation.*
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *0-10vdc dimming capability is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Steel housing and acrylic lens.*
- *Easy installation in new construction or retrofit. Fits in standard 2' x 2' grid ceilings.*
- *Standard earthquake clips provide secure installation in grid ceilings.*
- *Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using attached hanging brackets. For other mounting options, see Mounting Kits.*

* Contact factory for other color temperatures and lumen packages.

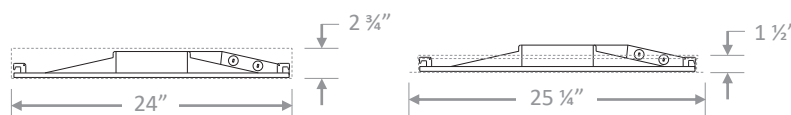** L_{70} hours are IES TM-21-11 calculated hours.

DIMENSIONS

23 ¾"

23 ¾"   2 ⅜"
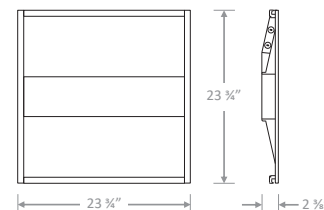
MOUNTING KITS

Optional **Surface Mount Kits** (LEDSMKT-22) provide for installation on plaster or other hard ceilings.

Flange Mount Kit (FLANGEKIT22-ET) mounts above plaster or other hard ceilings, and the center basket is mounted flush to the ceiling.

2 ¾"

24"

1 ½"

25 ¼"

WARRANTY & LISTINGS

- UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -20°C to 40°C (-4°F to 104°F).
- DLC Premium listed.
- Flicker-free per IEEE1789-2015 (low risk of adverse effects of flicker at 100% light output level).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, part B.
- Complies with IEEE C.62.41-1991, input transient surge protection (2kV).
- 5-year warranty of all electronics and housing.

PRODUCT PARAMETER

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATT	COLOR TEMPERATURE	INPUT VOLTAGE	DLC LISTING	OPTIONS
05-BCBLED22-32W-3KMV-PRM-CP	32	4195	131	3000K			LEDSMKT-22= = Surface Mounting Kit for 2x2
05-BCBLED22-32W-35KMV-PRM-CP	32	4293	134	3500K	MV = Multi-volt (120-277V)	PRM-CP = DLC Premium	FLANGEKIT22-ET = Flange Mounting Kit for 2x2
05-BCBLED22-32W-4KMV-PRM-CP	32	4371	137	4000K			LEDPNL-CMK = Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips &
05-BCBLED22-32W-5KMV-PRM-CP	32	4527	141	5000K			adjustable, locking ceiling attachment

ELECTRICAL DATA

MODEL	COLOR TEMP.	CRI[1]	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/WATTS	INPUT VOLTAGE[2]	INPUT CURRENT (A)			POWER FACTOR	THD[3]	L70 HOURS[4]
							120V	240V	277V			
05-BCBLED22-32W-3KMV-PRM-CP	3000k	>80	4195	32	131	120-277	0.27	0.13	0.12	>90%	<20%	199,000
05-BCBLED22-32W-35KMV-PRM-CP	3500k	>80	4293	32	134	120-277	0.27	0.13	0.12	>90%	<20%	199,000
05-BCBLED22-32W-4KMV-PRM-CP	4000k	>80	4371	32	137	120-277	0.27	0.13	0.12	>90%	<20%	199,000
05-BCBLED22-32W-5KMV-PRM-CP	5000k	>80	4527	32	141	120-277	0.27	0.13	0.12	>90%	<20%	199,000

[1] Color rendering index.

[2] All 50-60Hz.

[3] Total harmonic distortion.

[4] L_{70} refers to the number of hours at which lumen output declines to 70% of the initial level. L_{70} hours are IES TM-21-11 calculated hours.

PHOTOMETRIC DATA
05-BCBLED22-32W-5KMV-PRM-CP (4,195 Lumens)

Maximum Candela = 1442

——— 0°   - - - 90°
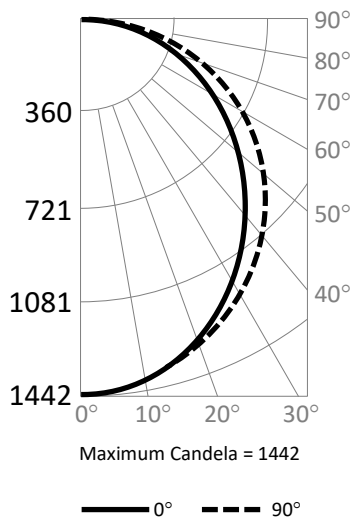
Candlepower Summary

	0°	90°
0°	1,437	1,437
10°	1,401	1,406
20°	1,307	1,325
30°	1,158	1,204
40°	972	1,051
50°	762	887
60°	541	723
70°	318	561
80°	117	314
90°	1	1

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	136	3.2%
0° – 20°	523	12.5%
0° – 30°	1,105	26.3%
0° – 40°	1,799	42.9%
0° – 50°	2,515	60.0%
0° – 60°	3,173	75.6%
0° – 70°	3,712	88.5%
0° – 80°	4,081	97.3%
0° – 90°	4,188	99.8%
90° – 180°	7	0.2%
0° – 180°	4,195	100.0%

Cone of Light

Distance to Work Plane

Foot-Candles (FC) at Nadir

6'	45 FC
8'	26 FC
10'	17 FC
12'	12 FC

Nadir 0°
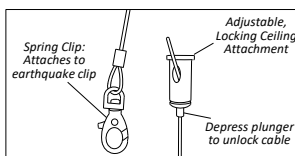
MOUNTING KITS (Continued)

- Optional Surface Mounting Kit (LEDSMKT-22) mounts below the ceiling.
- Optional Flange Mount Kit provides for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT22-ET) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.
- Optional Cable Mount Kit provides additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit (LEDPNL-CMK) to luminaire earthquake clips using spring clips, and attach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).
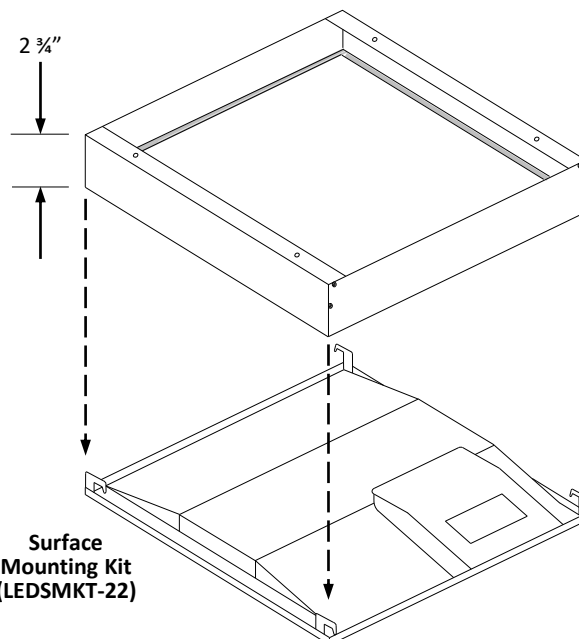
1.5"

Flange Mounting Kit (FLANGEKIT22-ET)

Cable Mounting Kit (LEDPNL-CMK)

2 ¾"

Spring Clip: Attaches to earthquake clip

Adjustable, Locking Ceiling Attachment

Depress plunger to unlock cable

Cable Mount Kit:
- ***Spring Clip***
- ***Adjustable, locking ceiling attachment***

Surface Mounting Kit (LEDSMKT-22)

COST LESS LIGHTING
LED'S GET LIT
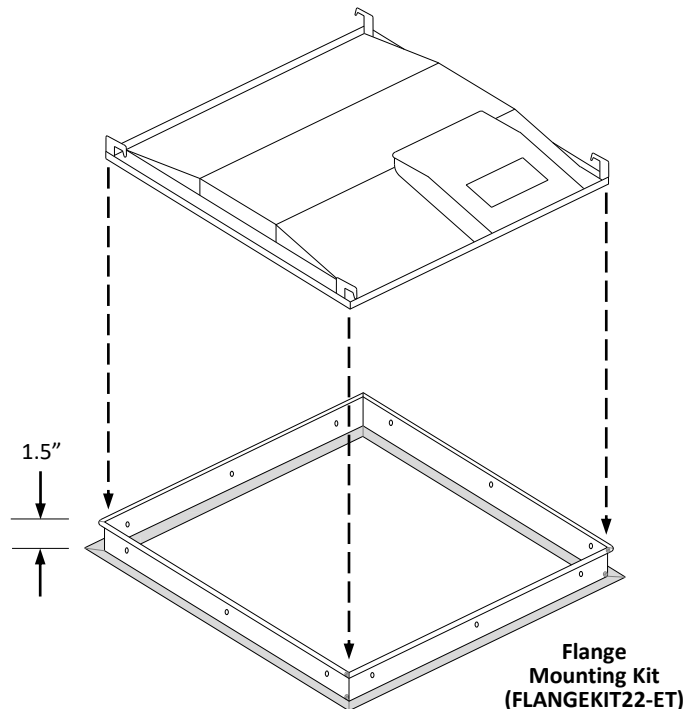
05-BLED24-40W-PRM-CP
2'X4' PREMIUM CENTER BASKET

APPLICATIONS

The premium-performance 05-BLED24-40W-PRM-CP is a low-profile 2' x 4' LED center basket luminaire, which offers industry-leading lumens per watt (LPW). The 05-BLED24-40W-PRM-CP is designed as a direct replacement for 2' x 4' fluorescent luminaires installed in grid or plaster ceilings. It is also designed to deliver general ambient lighting in a variety of indoor settings, including schools, offices, hospitals and stores, and is the perfect choice for both new construction and retrofits. This high-efficacy luminaire provides long-life and uniform illumination, as well as standard 0-10vdc dimming capability.

FEATURES

- *Available in 3000k (warm white), 3500k (warm/neutral white), 4000k (neutral white) & 5000k (cool white) color temperatures.**
- *Long-life LEDs provide 199,000 hours of operation with at least 70% of initial lumen output (L^{70}).***
- *Provides 5,680 luminaire lumens (129 lumens per watt, LPW) at 3000k; 5,743 luminaire lumens (131 LPW) at 3500k; 5,794 luminaire lumens (132 LPW) at 4000k; and 5,894 luminaire lumens (134 LPW) at 5000k.**
- *Uniform illumination with no visible LED pixelation.*
- *Universal 120-277 AC voltage (50-60Hz) is standard.*
- *0-10vdc dimming capability is standard.*
- *Power factor > 0.90.*
- *Total harmonic distortion < 20%.*
- *Color rendering index > 80.*
- *Steel housing and acrylic lens.*
- *Easy installation in new construction or retrofit. Fits in standard 2' x 4' grid ceilings.*
- *Standard earthquake clips provide secure installation in grid ceilings.*
- *Standard mounting options include recessed mounting in grid ceilings, or suspended mounting using attached hanging brackets. For other mounting options, see Mounting Kits.*

* Contact factory for other color temperatures and lumen packages.

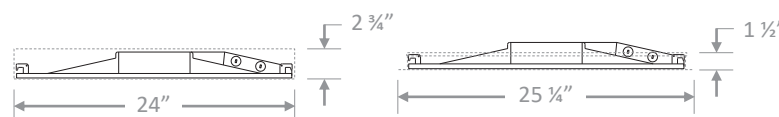** L_{70} hours are IES TM-21-11 calculated hours.

DIMENSIONS

23 ⅜"
47 ¼"
2 ⅝"
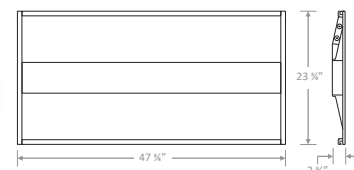
MOUNTING KITS

Optional **Surface Mount Kits** (LEDSMKT-24) provide for installation on plaster or other hard ceilings.

Flange Mount Kit (FLANGEKIT24-ET) mounts above plaster or other hard ceilings, and the center basket is mounted flush to the ceiling.

2 ¾"
24"

1 ½"
25 ¼"

WARRANTY & LISTINGS

- UL listed for damp locations and insulated ceilings (IC-rated) for use in ambient temperatures from -20°C to 40°C (-4°F to 104°F).
- DLC Premium listed.
- Flicker-free per IEEE1789-2015 (low risk of adverse effects of flicker at 100% light output level).
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, part B.
- Complies with IEEE C.62.41-1991, input transient surge protection (2kV).
- 5-year warranty of all electronics and housing.

PRODUCT PARAMETER

MODEL	LUMINAIRE WATTS	LUMINAIRE LUMENS	LUMENS PER WATT	COLOR TEMPERATURE	INPUT VOLTAGE	DLC LISTING	OPTIONS
05-BLED24-40W-3KMV-PRM-CP	44	5680	129	3000K	MV = Multi-volt (120-277V)	PRM-CP = DLC Premium	LEDSMKT-24= = Surface Mounting Kit for 2x4 FLANGEKIT24-ET = Flange Mounting Kit for 2x4 LEDPNL-CMK = Cable Mounting Kit, Quantity 6, 1 meter long, 1/16" diameter, with spring clips & adjustable, locking ceiling attachment
05-BLED24-40W-35KMV-PRM-CP	44	5743	131	3500K			
05-BLED24-40W-4KMV-PRM-CP	44	5794	132	4000K			
05-BLED24-40W-5KMV-PRM-CP	44	5894	134	5000K			

COST LESS LIGHTING
LED'S GET LIT

ELECTRICAL DATA

| MODEL	COLOR TEMP.	CRI[1]	LUMINAIRE LUMENS	LUMINAIRE WATTS	LUMENS/ WATTS	INPUT VOLTAGE[2]	INPUT CURRENT (A)			POWER FACTOR	THD[3]	L$_{70}$ HOURS[4]
							120V	240V	277V			
05-BCBLED24-40W-3KMV-PRM-CP	3000k	>80	5,680	44	129	120-277	0.37	0.18	0.16	>90%	<20%	199,000
05-BCBLED24-40W-35KMV-PRM-CP	3500k	>80	5,743	44	131	120-277	0.37	0.18	0.16	>90%	<20%	199,000
05-BCBLED24-40W-4KMV-PRM-CP	4000k	>80	5,794	44	132	120-277	0.37	0.18	0.16	>90%	<20%	199,000
05-BCBLED24-40W-5KMV-PRM-CP	5000k	>80	5,894	44	134	120-277	0.37	0.18	0.16	>90%	<20%	199,000

[1] *Color rendering index.*

[2] *All 50-60Hz.*

[3] *Total harmonic distortion.*

[4] *L$_{70}$ refers to the number of hours at which lumen output declines to 70% of the initial level. L$_{70}$ hours are IES TM-21-11 calculated hours.*

PHOTOMETRIC DATA
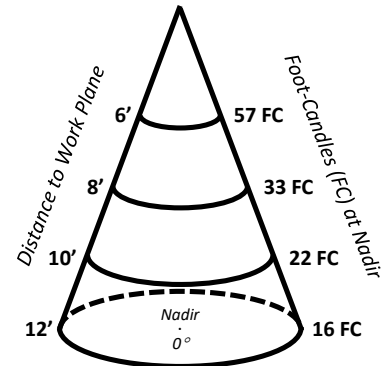
05-BCBLED24-40W-3KMV-PRM-CP (5,680 Lumens)

Maximum Candela = 1926

—— 0°   - - - 90°
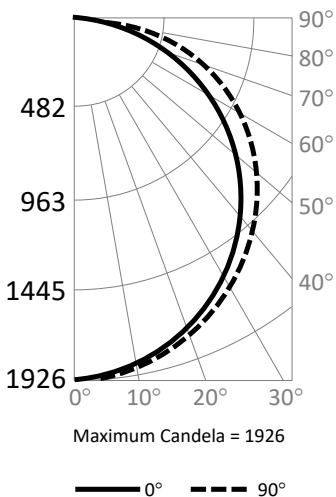
Candlepower Summary

	0°	90°
0°	1,924	1,924
10°	1,882	1,888
20°	1,756	1,789
30°	1,559	1,635
40°	1,313	1,442
50°	1,032	1,231
60°	732	1,021
70°	430	801
80°	158	425
90°	1	2

Zonal Lumen Summary

Zone	Lumens	% Fixture
0° – 10°	182	3.2%
0° – 20°	700	12.3%
0° – 30°	1,481	26.1%
0° – 40°	2,414	42.5%
0° – 50°	3,380	59.5%
0° – 60°	4,273	75.2%
0° – 70°	5,014	88.3%
0° – 80°	5,526	97.3%
0° – 90°	5,672	99.9%
90° – 180°	8	0.1%
0° – 180°	5,680	100.0%

Cone of Light

Distance to Work Plane

Foot-Candles (FC) at Nadir

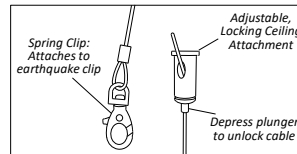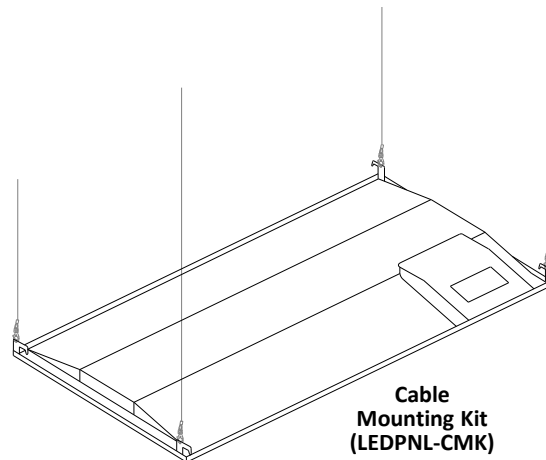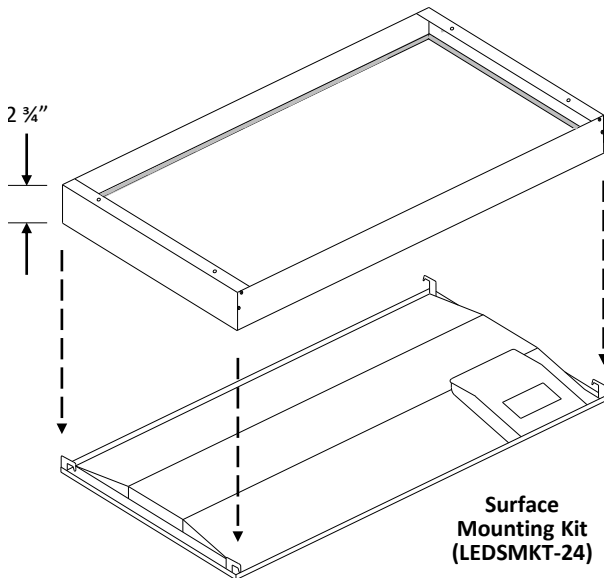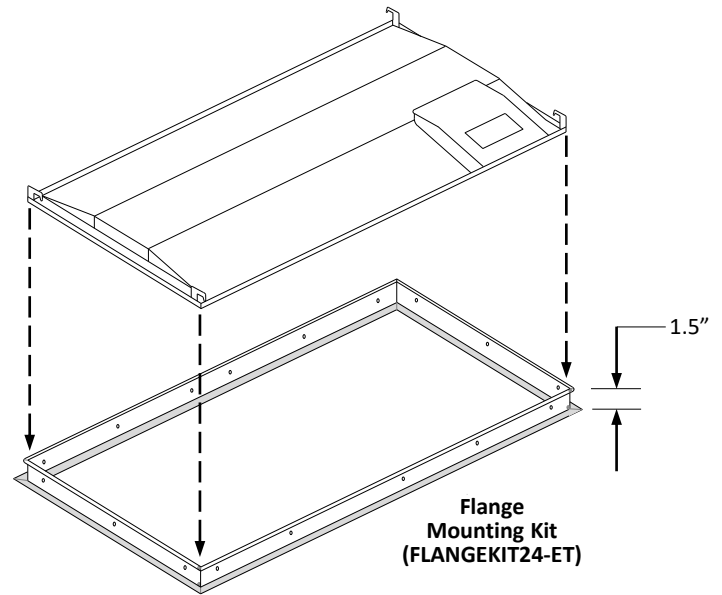| 6' | 57 FC |
8'	33 FC
10'	22 FC
12'	16 FC

Nadir 0°

COST LESS LIGHTING
LED'S GET LIT

MOUNTING KITS (Continued)

- Optional Surface Mounting Kit (LEDSMKT-24) mounts below the ceiling.
- Optional Flange Mount Kit provides for recessed installation on plaster or other hard ceilings. Attach Flange Mount Kit (FLANGEKIT24-ET) to ceiling joists or other stationary structures, and the panel is mounted flush to the ceiling.
- Optional Cable Mount Kit provides additional security, as well as suspended mounting. Attach one end of the Cable Mount Kit (LEDPNL-CMK) to luminaire earthquake clips using spring clips, and attach the other end to stationary structures using the adjustable, locking ceiling attachment (see picture below right).

1.5"

Flange Mounting Kit (FLANGEKIT24-ET)

2 ¾"

Surface Mounting Kit (LEDSMKT-24)

Cable Mounting Kit (LEDPNL-CMK)

Spring Clip: Attaches to earthquake clip

Adjustable, Locking Ceiling Attachment

Depress plunger to unlock cable

Cable Mount Kit:
- *Spring Clip*
- *Adjustable, locking ceiling attachment*